

DATE 11/16/54  
SH. 1 OF 1

COMPILED BY  
A.J.J.

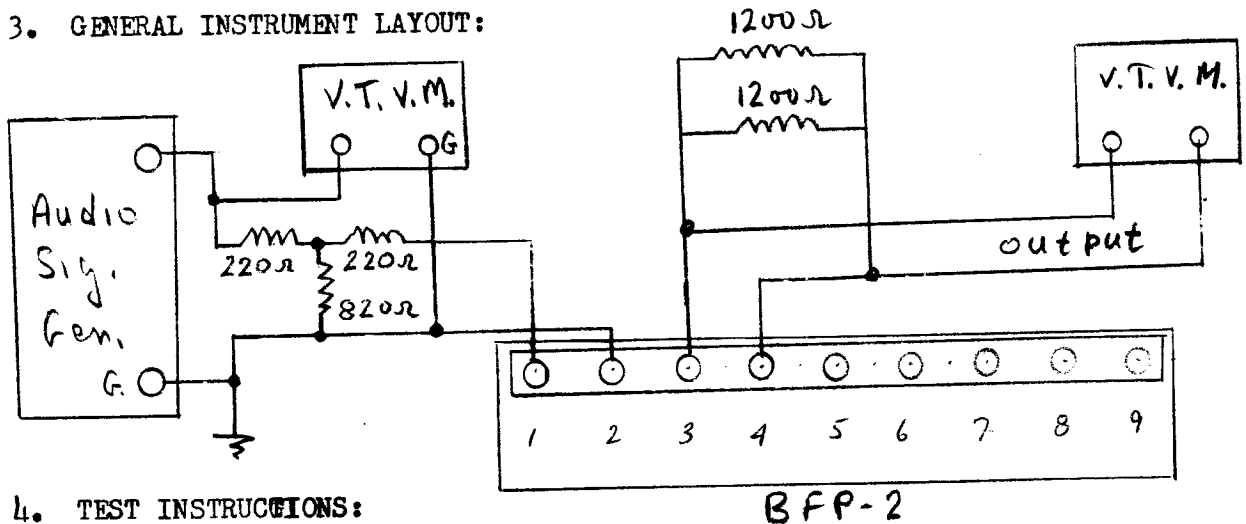
# TMC SPECIFICATION NO. S - 240

TITLE: PRODUCTION TESTING OF MODEL BFP - 2

JOB

APPROVED A. J. J.

1. OBJECT: To determine if the unit under test operates according to an acceptable standard as set forth in this specification.
2. TEST EQUIPMENT REQUIRED:
  - (a). 1- Audio Signal Generator: Hewlett Packard 200 or Heathkit AG8
  - (b). 2- V.T.V.M. : Daven 170 or Heathkit AV2
  - (c). 1- 600 ohm pad (6db): Values shown below in part 3
  - (d). 1- Load resistor: two parallel connected 1200 ohm,  $\frac{1}{2}$  watt, composition
3. GENERAL INSTRUMENT LAYOUT:



#### 4. TEST INSTRUCTIONS:

A.

- (a). Connect as shown above.
- (b). Place the Ch. 1 switch in position called FILTER OUT.
- (c). Set the signal gen. for 1 volt out. Set frequency at about 2600 cps.
- (d). To pass test the output V.T.V.M at terminals 3 and 4 must read approximately one half of the input V.T.V.M. reading.
- (e). Plug phones into J101, To pass test a tone must be heard strongly.

B.

- (a). Place switch in PANEL OUT. To pass test the output V.T.V.M. must drop to at least 50 db below input V.T.V.M. reading. Nothing should be heard in phones. Now, WITHDRAW THE PHONE PLUG.

C.

- (a). Place switch in FILTER IN. At 2600 cps the output V.T.V.M should read approximately  $\frac{1}{4}$  of the input V.T.V.M. reading or about 12 dbm below.
- (b). At 1700 and 3500 cps the output V.T.V.M. should read approximately 5db below its reading at 2600 cps.
- (c). At 1500 and 3700 cps the output V.T.V.M. should read approximately 38 db below its reading at 2600 cps. To pass the test the frequencies at which the measurements are made may vary by as much as  $\pm 100$  cps. The use of a frequency counter is not necessary. Be careful to maintain the input V.T.V.M. at one volt for all frequencies.

D.

- (a). Repeat all the above tests for channel two.